



## UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
 United States Patent and Trademark Office  
 Address: COMMISSIONER FOR PATENTS  
 P.O. Box 1450  
 Alexandria, Virginia 22313-1450  
 www.uspto.gov

## \*BIBDATASHEET\*

Bib Data Sheet

CONFIRMATION NO. 7408

SERIAL NUMBER 10/644,803	FILING DATE 08/21/2003  RULE	CLASS 438	GROUP ART UNIT 2823	ATTORNEY DOCKET NO. 031022
-----------------------------	---------------------------------------	--------------	------------------------	----------------------------------

## APPLICANTS

Hiroji Ebe, Kawasaki, JAPAN;

Yoshiaki Nakata, Kawasaki, JAPAN;  
Tomoyuki Akiyama, Kawasaki, JAPAN;

## \*\* CONTINUING DATA \*\*\*\*\*

NONE *WB*

## \*\* FOREIGN APPLICATIONS \*\*\*\*\*

JAPAN 2002-246175 08/27/2002 *WB*

## IF REQUIRED, FOREIGN FILING LICENSE GRANTED

\*\* 11/14/2003

Foreign Priority claimed <input checked="" type="checkbox"/> yes <input type="checkbox"/> no	STATE OR	SHEETS	TOTAL	INDEPENDENT
35 USC 119 (a-d) conditions met <input checked="" type="checkbox"/> yes <input type="checkbox"/> no <input type="checkbox"/> Met after Allowance	COUNTRY	DRAWING	CLAIMS	CLAIMS
Verified and Acknowledged <i>William M. Brewster</i> Examiner's Signature Initials	JAPAN	4	20	3

## ADDRESS

23850  
 ARMSTRONG, KRATZ, QUINTOS, HANSON & BROOKS, LLP  
 1725 K STREET, NW  
 SUITE 1000  
 WASHINGTON, DC  
 20006

## TITLE

Semiconductor optical device with quantum dots

FILING FEE

FEES: Authority has been given in Paper  
 No. \_\_\_\_\_ to charge/credit DEPOSIT ACCOUNT  
 No. \_\_\_\_\_ for following:

<input type="checkbox"/> All Fees
<input type="checkbox"/> 1.16 Fees ( Filing )
<input type="checkbox"/> 1.17 Fees ( Processing Ext. of time )